

CLAIMS

1. A communication terminal apparatus comprising:
reception means for receiving a plurality of
reception signal including channel estimation
5 information; and

equalization processing means for performing
equalization processing of the reception signal in
conformity with adaptive algorithm by means of the channel
estimation information.

2. A base station apparatus for performing radio
communication with said communication terminal apparatus
according to claim 1, said base station apparatus
comprising:

channel estimation means for performing channel
15 estimation on a basis of a reception signal by means of
the adaptive algorithm; and

transmission means for transmitting a signal
including channel estimation information obtained by said
channel estimation means.

3. A radio communication method, comprising the
steps of:

obtaining channel estimation information by
performing channel estimation on a basis of a reception
signal;

25 transmitting a signal including the channel
estimation information to a communication terminal
apparatus, on a base station apparatus side; and

performing equalization processing of the signal transmitted from said base station apparatus in conformity with adaptive algorithm by means of the channel estimation information included in the signal transmitted from said base station apparatus, on a communication terminal apparatus side.

4. The radio communication method according to claim 3, wherein communication between said base station apparatus and said communication terminal apparatus is asymmetrical communication, and the channel estimation information is periodically transmitted from said base station apparatus to said communication terminal apparatus.

add a.4}